

Atty. Dkt. No. 033948-0102

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of the claims in the application:

**Detailed and Complete Listing of Claims:**

1. (Previously Presented) A mammalian culture medium supplement comprising recombinant human albumin and fermented hyaluronan, wherein the supplement increases the viability of gametes or embryonic cells cultured in a medium containing the supplement, and further wherein the supplement is free from non-recombinant human albumin.
2. (Original) The supplement according to claim 1 further comprising citrate.
3. (Original) The supplement according to claim 1, wherein the supplement is free from one or more of non-recombinant macromolecules, non-recombinant human albumin, hyaluronan derived from a warm-blooded vertebrate and combinations thereof.
4. (Original) The supplement according to claim 1, wherein the recombinant human albumin is present in a range of about 0.5 mg/ml to about 5.0 mg/ml when added to a medium.
5. (Original) The supplement according to claim 1, wherein the fermented hyaluronan is present in a range of about 0.1 mg/ml to about 1.0 mg/ml when added to a medium.
6. (Previously Presented) The supplement according to claim 2, wherein the citrate is present in a range of about 0.1 mM to about 1.0 mM when added to a medium.
7. (Original) The supplement according to claim 1 further comprising a medium that can support embryo or cell development, the medium selected from the group consisting of G1.2/G2.2, KSOM/KSOMaa, M16, SOF/SOFaa, MTF, P1, HTF, Earle's, Hams F-10, M2, Hepes-G1.2, Whitten's and PBS.

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8. (Currently Amended) The supplement ~~of~~according to claim 7, wherein the medium that can support cell development supports embryo development.

9. (Currently Amended) The supplement ~~of~~according to claim 7, wherein the medium that can support cell development supports mammalian stem cell development.

10. (Canceled)

11. (Currently Amended) ~~The~~A mammalian culture medium ~~according to claim 10~~ further comprising ~~citrate~~recombinant human albumin, citrate and a medium that can support cell development, wherein the mammalian culture medium increases the viability of gametes or embryonic cells cultured in the mammalian culture medium, and further wherein the mammalian culture medium is free from non-recombinant human albumin.

12. (Currently Amended) ~~The~~A mammalian culture medium ~~according to claim 10~~ further comprising recombinant human albumin, fermented hyaluronan and a medium that can support cell development, wherein the mammalian culture medium increases the viability of gametes or embryonic cells cultured in the mammalian culture medium, and further wherein the mammalian culture medium is free from non-recombinant human albumin.

13. (Currently Amended) ~~The~~A mammalian culture medium ~~according to claim 11~~ further comprising recombinant human albumin, citrate, fermented hyaluronan and a medium that can support cell development, wherein the mammalian culture medium increases the viability of gametes or embryonic cells cultured in the mammalian culture medium and further wherein the mammalian culture medium is free from non-recombinant human albumin.

14. (Original) The mammalian culture medium according to claim 12, wherein the fermented hyaluronan is present in a range of about 0.1 mg/ml to about 1.0 mg/ml based on the total volume of the mammalian culture medium.

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15. (Original) The mammalian culture medium according to claim 11, wherein the citrate is present in a range of about 0.1 mM to about 1.0 mM based on the total volume of the mammalian culture medium.

16. (Currently Amended) ~~The~~A mammalian culture medium according to claim 10, comprising recombinant human albumin and a medium that can support cell development, wherein the mammalian culture medium increases the viability of gametes or embryonic cells cultured in the mammalian culture medium, and further wherein the mammalian culture medium is free from non-recombinant human albumin, and still further wherein the recombinant human albumin is present in a range of about 0.5 mg/ml to about 5.0 mg/ml based on the total volume of the mammalian culture medium.

17. (Previously Presented) A mammalian culture medium comprising fermented hyaluronan and a medium that can support cell development, wherein the mammalian culture medium is capable of increasing the viability of gametes or embryonic cells cultured in the medium.

18-29. (Canceled)

30. (Previously Presented) A mammalian culture medium consisting essentially of:

- (a) a medium that can support mammalian embryo or cell development;
  - (b) recombinant human albumin in an amount from about 0.1 mg/ml to about 20.0 mg/ml;
  - (c) fermented hyaluronan in an amount from about 0.1 mg/ml to about 5.0 mg/ml;
- and
- (d) citrate in a concentration from about 0.1 mM to about 5.0 mM,

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wherein the mammalian culture medium increases the viability of gametes or embryonic cells cultured in the medium, and further wherein the mammalian culture medium is free from non-recombinant human albumin.

31. (Original) The culture medium according to claim 30, wherein the medium that can support embryo or cell development is selected from the group consisting of G1.2/G2.2, KSOM/KSOMaa, M16, SOF/SOFaa, MTF, P1, HTF, Earle's, Hams F-10, M2, Hepes-G1.2, Whitten's and PBS.

32. (Original) The culture medium according to claim 30, wherein the culture medium is free from one or more of non-recombinant macromolecules, non-recombinant human albumin, hyaluronan derived from a warm-blooded vertebrate and combinations thereof.

33. (Previously Presented) A mammalian culture medium supplement consisting essentially of:

- (a) recombinant human albumin in an amount from about 0.125 mg/ml to about 20.0 mg/ml;
- (b) fermented hyaluronan in an amount from about 0.1 mg/ml to about 5.0 mg/ml;
- and
- (c) citrate in a concentration from about 0.1 mM to about 5.0 mM,

wherein the mammalian culture medium increases the viability of gametes or embryonic cells cultured in the medium, and further wherein the mammalian culture medium is free from non-recombinant human albumin.

34. (Canceled)